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November 21, 2018

Mr. Terry O'Clair
Director, Division of Air Quality
North Dakota Department of Health
Division of Air Quality
918 East Divide Avenue, 2nd Floor
Bismarck, ND 58501-1947

RECEIVED

NOV 28 2018

Office of Enforcement, Compliance
and Environmental Justice

40 CFR §60.5420a(b) REPORTING REQUIREMENTS FOR AFFECTED FACILITIES IN NORTH DAKOTA SUBJECT TO 40 CFR §60 SUBPART OOOOa (NSPS OOOOa) ANNUAL REPORT

Dear Mr. O'Clair:

ONEOK Rockies Midstream (ORM) respectfully submits the enclosed Annual Report for these OOOOa Affected Facilities in North Dakota: Reciprocating Compressors and Fugitive Monitoring at Compressor Stations. The reporting period for the included facilities is through August 24, 2018.

If you need additional information or have any questions, please contact me at Kale.Hanner@oneok.com or 918-732-1477.

Sincerely,

(b) (6)

Kale Hanner
Environmental Supervisor

Enclosures: Annual Report for OOOOa Affected Facilities, Monitoring Reports, R.O. Certification

xc: U.S. EPA Region 8, 1595 Wynkoop Street, Mail Code 8ENF-AT, Denver, CO 80202-1129
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V. Danzeisen/K. Rudningen/B. Danforth/C. Forsander/W. Parke Moore/R. Brown (.pdf)
Tulsa Environmental Files-Business Unit-ORM-North Dakota-OOOOa Annual Report

ONEOK Field Services Company
100 West Fifth Street
Tulsa, OK 74103
www.oneok.com

**CERTIFICATION
FOR
40 CFR §60.5420a(b) REPORTING REQUIREMENTS
FOR AFFECTED FACILITIES IN NORTH DAKOTA
SUBJECT TO 40 CFR §60 SUBPART OOOOa
ANNUAL REPORT**

ONEOK ROCKIES MIDSTREAM, L.L.C.

I certify, based on information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate, and complete.

Name of Responsible Official (print or type): David C. Roensch

Title: Vice President – Natural Gas Gathering and Processing Operations

Signature:

(b) (6)

Date:

11/19/18

ONEOK Rockies Midstream, L.L.C. (ORM)
P.O. Box 871, Tulsa, OK 74102-0871
100 West Fifth Street, Tulsa, OK 74103-4298

Reciprocating Compressors in ORM North Dakota Area Subject to 40 CFR Subpart OOOOa

Note: Some Compressors May Not Operate 24/7

[illegible]

¹ These four compressors are located at the Killdeer Compressor Station and is collocated with the Bear Creek Gas Plant. Monitoring results are included in the Bear Creek Gas Plant Semi-Annual NSPS Subpart OOOO LDAR Monitoring Reports.

OOOOa Annual Report Due: 11/21/2018 End of OOOOa Reporting Period: 08/24/2018										
ONEOK Rockies Midstream, L.L.C. (ORM) P.O. Box 871, Tulsa, OK 74102-0871 100 West Fifth Street, Tulsa, OK 74103-4298										
Compressor Stations in ORM North Dakota Area Subject to Compressor Station Fugitive Monitoring per 40 CFR Subpart OOOOa Complete fugitive emissions monitoring survey is included with this summary										
Facility ID	Location	Latitude	Longitude	County	Qtrs	Section	Twnshp	Range	Date of survey	Deviation?
ND0001	Big Gulch CS	(b) (9)	(b) (9)	Dunn	NW/4, NE/4	19	147N	96W	9/2/17, 11/14/17, 4/30/18, 8/7/18	No
ND0002	Lost Bridge CS	(b) (9)	(b) (9)	Dunn	SE/4, SE/4	25	147N	96W	9/1/17, 11/14/17, 2/26/18, 4/30/18	No
Fugitive emissions monitoring survey is included with this summary										

SURVEY SUMMARY REPORT	
COMPANY	ONEOK Inc.
FACILITY	Big Gulch
FACILITY TYPE	Compressor Station

SURVEY INFORMATION			
DATE	9/1/2017	OGI OPERATOR	(b) (6)
START TIME	14:11:00	TRAINING COMPLETED	FLIR Infrared Training Center, Certified Thermographer
END TIME	17:18:00	YEARS EXPERIENCE	4 months
SKY CONDITIONS	Clear	MAX WIND SPEED	14
INSTRUMENT USED	GF320	AMBIENT TEMPERATURE	74

DEVIATIONS FROM THE MONITORING PLAN	
YES/NO	REASON FOR DEVIATION IF "YES"
NO	NO

LEAKS				
COMPONENT TAG	COMPONENT TYPE	REPAIRED PER 60.5397a(h)	DATE OF REPAIR	RESURVEY METHOD
600	Connector	YES	9/1/2017 17:12	OGI

TOTAL LEAKS DETECTED	
COMPONENT TYPE	COUNT
CONNECTOR	1

DELAY OF REPAIR		
COMPONENT TAG	COMPONENT TYPE	REASON FOR DELAY
NA		

DIFFICULT/UNSAFE TO MONITOR COMPONENTS		
DTM or UTM	COMPONENT TYPE	COUNT

SURVEY SUMMARY REPORT	
COMPANY	ONEOK Inc.
FACILITY	Big Gulch
FACILITY TYPE	Compressor Station

SURVEY INFORMATION			
DATE	11/14/2017	OGI OPERATOR	(b) (6)
START TIME	8:53:51	TRAINING COMPLETED	FLIR Infrared Training Center, Certified Thermographer
END TIME	10:56:56	YEARS EXPERIENCE	1 year 4 months
SKY CONDITIONS	Partly Cloudy	MAX WIND SPEED	8
INSTRUMENT USED	GF320	AMBIENT TEMPERATURE	38

DEVIATIONS FROM THE MONITORING PLAN	
YES/NO	REASON FOR DEVIATION IF "YES"
NO	NO

LEAKS				
COMPONENT TAG	COMPONENT TYPE	REPAIRED PER 60.5397a(h)	DATE OF REPAIR	RESURVEY METHOD
589	Connector	YES	11/14/2017 10:45	OGI
588	Connector	YES	11/14/2017 10:34	OGI
587	Connector	YES	11/14/2017 10:33	OGI
586	Connector	YES	11/14/2017 10:32	OGI
585	Pressure Relief Device	YES	11/14/2017 10:04	OGI
584	Pressure Relief Device	YES	11/14/2017 10:05	OGI
583	Pressure Relief Device	YES	11/14/2017 10:06	OGI

TOTAL LEAKS DETECTED	
COMPONENT TYPE	COUNT
CONNECTOR	4
PRESSURE RELIEF DEVICE	3

DELAY OF REPAIR		
COMPONENT TAG	COMPONENT TYPE	REASON FOR DELAY
NA		

DIFFICULT/UNSAFE TO MONITOR COMPONENTS		
DTM or UTM	COMPONENT TYPE	COUNT

SURVEY SUMMARY REPORT	
COMPANY	ONEOK Inc.
FACILITY	Big Gulch
FACILITY TYPE	Compressor Station

SURVEY INFORMATION			
DATE	2/26/2018	OGI OPERATOR	(b) (6)
START TIME	11:44:58	TRAINING COMPLETED	FLIR Infrared Training Center, Certified Thermographer
END TIME	13:22:41	YEARS EXPERIENCE	10 months
SKY CONDITIONS	Partly Cloudy	MAX WIND SPEED	19
INSTRUMENT USED	GF320	AMBIENT TEMPERATURE	34

DEVIATIONS FROM THE MONITORING PLAN	
YES/NO	REASON FOR DEVIATION IF "YES"
NO	NO

LEAKS				
COMPONENT TAG	COMPONENT TYPE	REPAIRED PER 60.5397a(h)	DATE OF REPAIR	RESURVEY METHOD
NA				

TOTAL LEAKS DETECTED	
COMPONENT TYPE	COUNT
NA	

DELAY OF REPAIR		
COMPONENT TAG	COMPONENT TYPE	REASON FOR DELAY
NA		

DIFFICULT/UNSAFE TO MONITOR COMPONENTS		
DTM or UTM	COMPONENT TYPE	COUNT

SURVEY SUMMARY REPORT	
COMPANY	ONEOK Inc.
FACILITY	Big Gulch
FACILITY TYPE	Compressor Station

SURVEY INFORMATION			
DATE	4/30/2018	OGI OPERATOR	(b) (6)
START TIME	11:13:56	TRAINING COMPLETED	FLIR Infrared Training Center, Certified Thermographer
END TIME	13:15:56	YEARS EXPERIENCE	1 year
SKY CONDITIONS	Cloudy	MAX WIND SPEED	19
INSTRUMENT USED	GFx320	AMBIENT TEMPERATURE	47

DEVIATIONS FROM THE MONITORING PLAN	
YES/NO	REASON FOR DEVIATION IF "YES"
NO	NO

LEAKS				
COMPONENT TAG	COMPONENT TYPE	REPAIRED PER 60.5397a(h)	DATE OF REPAIR	RESURVEY METHOD
1126	Connector	YES	4/30/2018 13:10	OGI
1127	Connector	YES	4/30/2018 13:14	OGI
1125	Connector	YES	4/30/2018 13:08	OGI

TOTAL LEAKS DETECTED	
COMPONENT TYPE	COUNT
CONNECTOR	3

DELAY OF REPAIR		
COMPONENT TAG	COMPONENT TYPE	REASON FOR DELAY
NA		

DIFFICULT/UNSAFE TO MONITOR COMPONENTS		
DTM or UTM	COMPONENT TYPE	COUNT

SURVEY SUMMARY REPORT	
COMPANY	ONEOK Inc.
FACILITY	Big Gulch
FACILITY TYPE	Compressor Station

SURVEY INFORMATION			
DATE	8/7/2018	OGI OPERATOR	(b) (6)
START TIME	8:10:56	TRAINING COMPLETED	FLIR Infrared Training Center, Certified Thermographer
END TIME	9:45:33	YEARS EXPERIENCE	1 year 3 months
SKY CONDITIONS	Clear	MAX WIND SPEED	7
INSTRUMENT USED	GFx320	AMBIENT TEMPERATURE	67

DEVIATIONS FROM THE MONITORING PLAN	
YES/NO	REASON FOR DEVIATION IF "YES"
NO	NO

LEAKS				
COMPONENT TAG	COMPONENT TYPE	REPAIRED PER 60.5397a(h)	DATE OF REPAIR	RESURVEY METHOD
1161	Pressure Relief Device	YES	8/16/2018 8:02	OGI
1162	Compressor	YES	8/16/2018 8:27	OGI

TOTAL LEAKS DETECTED	
COMPONENT TYPE	COUNT
PRESSURE RELIEF DEVICE	1
COMPRESSOR	1

DELAY OF REPAIR		
COMPONENT TAG	COMPONENT TYPE	REASON FOR DELAY
NA		

DIFFICULT/UNSAFE TO MONITOR COMPONENTS		
DTM or UTM	COMPONENT TYPE	COUNT

SURVEY SUMMARY REPORT	
COMPANY	ONEOK Inc.
FACILITY	Lost Bridge
FACILITY TYPE	Compressor Station

SURVEY INFORMATION			
DATE	9/1/2017	OGI OPERATOR	(b) (6)
START TIME	9:56:35	TRAINING COMPLETED	FLIR Infrared Training Center, Certified Thermographer
END TIME	13:03:43	YEARS EXPERIENCE	4 months
SKY CONDITIONS	Clear	MAX WIND SPEED	28
INSTRUMENT USED	GF320	AMBIENT TEMPERATURE	74

DEVIATIONS FROM THE MONITORING PLAN	
YES/NO	REASON FOR DEVIATION IF "YES"
NO	NO

LEAKS				
COMPONENT TAG	COMPONENT TYPE	REPAIRED PER 60.5397a(h)	DATE OF REPAIR	RESURVEY METHOD
606	Connector	YES	9/1/2017 12:30	OGI
607	Connector	YES	9/1/2017 13:02	OGI
605	Connector	YES	9/1/2017 12:35	OGI
603	Connector	YES	9/1/2017 12:07	OGI
604	Connector	YES	9/1/2017 12:08	OGI
602	Flange	YES	9/1/2017 11:19	OGI
601	Connector	YES	9/1/2017 10:50	OGI

TOTAL LEAKS DETECTED	
COMPONENT TYPE	COUNT
FLANGE	1
CONNECTOR	6

DELAY OF REPAIR		
COMPONENT TAG	COMPONENT TYPE	REASON FOR DELAY
NA		

DIFFICULT/UNSAFE TO MONITOR COMPONENTS		
DTM or UTM	COMPONENT TYPE	COUNT

SURVEY SUMMARY REPORT	
COMPANY	ONEOK Inc.
FACILITY	Lost Bridge
FACILITY TYPE	Compressor Station

SURVEY INFORMATION			
DATE	11/14/2017	OGI OPERATOR	(b) (6)
START TIME	11:39:42	TRAINING COMPLETED	FLIR Infrared Training Center, Certified Thermographer
END TIME	14:35:18	YEARS EXPERIENCE	1 year 4 months
SKY CONDITIONS	Mostly Clear	MAX WIND SPEED	19
INSTRUMENT USED	GF320	AMBIENT TEMPERATURE	50

DEVIATIONS FROM THE MONITORING PLAN	
YES/NO	REASON FOR DEVIATION IF "YES"
NO	NO

LEAKS				
COMPONENT TAG	COMPONENT TYPE	REPAIRED PER 60.5397a(h)	DATE OF REPAIR	RESURVEY METHOD
592	Valve	YES	11/14/2017 14:31	OGI
591	Connector	YES	11/14/2017 13:44	OGI
590	Connector	YES	11/14/2017 12:40	OGI

TOTAL LEAKS DETECTED	
COMPONENT TYPE	COUNT
VALVE	1
CONNECTOR	2

DELAY OF REPAIR		
COMPONENT TAG	COMPONENT TYPE	REASON FOR DELAY
NA		

DIFFICULT/UNSAFE TO MONITOR COMPONENTS		
DTM or UTM	COMPONENT TYPE	COUNT

SURVEY SUMMARY REPORT	
COMPANY	ONEOK Inc.
FACILITY	Lost Bridge
FACILITY TYPE	Compressor Station

SURVEY INFORMATION			
DATE	2/26/2018	OGI OPERATOR	(b) (6)
START TIME	13:57:01	TRAINING COMPLETED	FLIR Infrared Training Center, Certified Thermographer
END TIME	15:59:11	YEARS EXPERIENCE	10 months
SKY CONDITIONS	Mostly Clear	MAX WIND SPEED	19
INSTRUMENT USED	GF320	AMBIENT TEMPERATURE	37

DEVIATIONS FROM THE MONITORING PLAN	
YES/NO	REASON FOR DEVIATION IF "YES"
NO	NO

LEAKS				
COMPONENT TAG	COMPONENT TYPE	REPAIRED PER 60.5397a(h)	DATE OF REPAIR	RESURVEY METHOD
1107	Connector	YES	2/26/2018 14:57	OGI
1109	Connector	YES	3/12/2018 11:22	Method 21- Soap Bubbles
1108	Connector	YES	3/12/2018 11:19	Method 21- Soap Bubbles

TOTAL LEAKS DETECTED	
COMPONENT TYPE	COUNT
CONNECTOR	3

DELAY OF REPAIR		
COMPONENT TAG	COMPONENT TYPE	REASON FOR DELAY
NA		

DIFFICULT/UNSAFE TO MONITOR COMPONENTS		
DTM or UTM	COMPONENT TYPE	COUNT

SURVEY SUMMARY REPORT	
COMPANY	ONEOK Inc.
FACILITY	Lost Bridge
FACILITY TYPE	Compressor Station

SURVEY INFORMATION			
DATE	4/30/2018	OGI OPERATOR	(b) (6)
START TIME	13:48:11	TRAINING COMPLETED	FLIR Infrared Training Center, Certified Thermographer
END TIME	15:51:48	YEARS EXPERIENCE	1 year
SKY CONDITIONS	Cloudy	MAX WIND SPEED	18
INSTRUMENT USED	GFx320	AMBIENT TEMPERATURE	46

DEVIATIONS FROM THE MONITORING PLAN	
YES/NO	REASON FOR DEVIATION IF "YES"
NO	NO

LEAKS				
COMPONENT TAG	COMPONENT TYPE	REPAIRED PER 60.5397a(h)	DATE OF REPAIR	RESURVEY METHOD
1128	Connector	YES	5/7/2018 12:06	Method 21- Soap Bubbles
1129	Connector	YES	4/30/2018 15:22	OGI

TOTAL LEAKS DETECTED	
COMPONENT TYPE	COUNT
CONNECTOR	2

DELAY OF REPAIR		
COMPONENT TAG	COMPONENT TYPE	REASON FOR DELAY
NA		

DIFFICULT/UNSAFE TO MONITOR COMPONENTS		
DTM or UTM	COMPONENT TYPE	COUNT

SURVEY SUMMARY REPORT	
COMPANY	ONEOK Inc.
FACILITY	Lost Bridge
FACILITY TYPE	Compressor Station

SURVEY INFORMATION			
DATE	8/7/2018	OGI OPERATOR	(b) (6)
START TIME	10:10:00	TRAINING COMPLETED	FLIR Infrared Training Center, Certified Thermographer
END TIME	11:50:00	YEARS EXPERIENCE	1 year 3 months
SKY CONDITIONS	Clear	MAX WIND SPEED	12
INSTRUMENT USED	GFx320	AMBIENT TEMPERATURE	78

DEVIATIONS FROM THE MONITORING PLAN	
YES/NO	REASON FOR DEVIATION IF "YES"
NO	NO

LEAKS				
COMPONENT TAG	COMPONENT TYPE	REPAIRED PER 60.5397a(h)	DATE OF REPAIR	RESURVEY METHOD
NA				

TOTAL LEAKS DETECTED	
COMPONENT TYPE	COUNT
NA	

DELAY OF REPAIR		
COMPONENT TAG	COMPONENT TYPE	REASON FOR DELAY
NA		

DIFFICULT/UNSAFE TO MONITOR COMPONENTS		
DTM or UTM	COMPONENT TYPE	COUNT